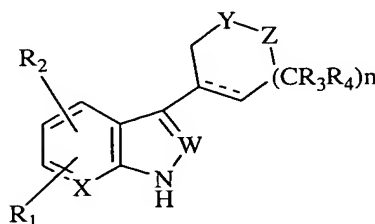


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of formula I



(IVa)

wherein

Q is SO₂, CO, CONR₂₄, CSNR₂₅ or CH₂;

W is N or CR₆;

X is N or CR₇;

Y is NR₈ or CR₉R₁₀;

n is [[0 or]] an integer of 1 or 2;

Z is NR₁₁ or CR₁₂R₁₃ with the proviso that when n is 1, Q is SO₂, CO or CH₂ and W is CR₆ then Z must be CR₁₂R₁₃ and with the further provisos that when Y is NR₈ then Z must be CR₁₂R₁₃ and at least one of Y and Z must be NR₈ or NR₁₁;

R₁, R₂ and R₇ are each independently H, halogen, CN, OCO₂R₁₄, CO₂R₁₅, CONR₂₉R₃₀, CNR₁₆NR₁₇R₁₈, SO_mR₁₉, NR₂₀R₂₁, OR₂₂, COR₂₃ or a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;

R₃, R₄, R₉, R₁₀, R₁₂ and R₁₃ are each independently H or an optionally substituted C₁-C₆alkyl group;

R₅ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group;

m is 0 or an integer of 1 or 2;

R₆ is H, halogen, or an optionally substituted C₁-C₆alkyl, C₁-C₆alkoxy, aryl or heteroaryl group;

R_8 and R_{11} are each independently H, $CNR_{26}NR_{27}R_{28}$ or a C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl, cycloheteralkyl, aryl or heteroaryl group each optionally substituted;

R_{14} , R_{15} , R_{22} and R_{23} are each independently H or an optionally substituted C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group;

R_{16} , R_{17} , R_{18} , R_{20} , R_{21} , R_{26} , R_{27} , R_{28} , R_{29} and R_{30} are each independently H or C_1 - C_4 alkyl;

R_{19} is an optionally substituted C_1 - C_6 alkyl, aryl or heteroaryl group;

R_{24} and R_{25} are each independently H or an optionally substituted C_1 - C_6 alkyl, aryl or heteroaryl group; and

---- represents a single bond or a double bond; or the stereoisomers thereof or the pharmaceutically acceptable salts thereof.

2. (Original) The compound according to claim 1 wherein Y is NR_8 .

3. (Currently Amended) The compound according to claim 1 wherein n is **[[0 or]] 2**.

4. (Original) The compound according to claim 1 wherein W is N.

5. (Original) The compound according to claim 2 wherein n is 1.

6. (Original) The compound according to claim 4 wherein Z is NR_{11} .

7. (Original) The compound according to claim 5 wherein Q is SO_2 and R_5 is an optionally substituted aryl or heteroaryl group.

8. (Original) The compound according to claim 7 wherein X is CH and ---- represents a single bond.

9. (Currently Amended) The compound according to claim 1 selected from the group consisting of:

1-(phenylsulfonyl)-3-(piperidin-4-yl)-1H-indazole;
1-(4-nitrophenyl)-3-(piperidin-4-yl)-1H-indazole;
1-(4-fluorophenyl)-3-(piperidin-4-yl)-1H-indazole;
1-(3,4-dimethoxyphenyl)-3-(piperidin-4-yl)-1H-indazole;
~~1-(4-fluorophenylsulfonyl)-3-(1-methyl-pyrrolidin-3-yl)-1H-indole;~~
~~1-(4-chlorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(naphth-2-ylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-aminophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(3,4-dimethoxyphenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(3,4-dichlorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-[(4,5-dichlorothien-2-yl)sulfonyl]-3-(1-methyl-pyrrolidin-3-yl)-1H-indole;~~
~~1-(2-bromophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-iodophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(2-iodophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-aminophenylsulfonyl)-3-(1-benzylpyrrolidin-3-yl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(4-methylphenylsulfonyl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(3,4-dichlorophenyl-sulfonyl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(2-bromophenylsulfonyl)-1H-indole;~~
~~5-[3-(1-benzylpyrrolidin-3-yl)-indole-1-sulfonyl]-4-methyl-thiazol-2-ylamine;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-[(5-bromothien-2-yl)sulfonyl]-1H-indole;~~
~~1-phenylsulfonyl-3-(1-methylpyrrolidin-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~

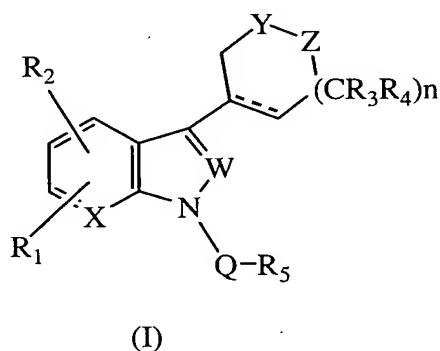
~~1-phenylsulfonyl-3-(1-methylpyrrolidin-3-yl)-1H-indazole;~~
~~1-phenylsulfonyl-3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-~~
~~pyrrolo[2,3-b]pyridine;~~
~~1-phenylsulfonyl-3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-~~
~~indole;~~
1-phenylsulfonyl-3-(1-methylpiperidin-4-yl)-1H-indazole;
1-phenylsulfonyl-3-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)-
1H-indazole;
1-phenylsulfonyl-3-(1-methylazepan-4-yl)-1H-pyrrolo[2,3-
b]pyridine;
1-phenylsulfonyl-3-(1-methylazepan-4-yl)-1H-indole;
1-phenylsulfonyl-5-fluoro-3-(1-methylazepan-4-yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-
yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-
yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-
yl)-1H-pyrrolo[2,3-b]pyridine;
1-phenylsulfonyl-5-fluoro-3-(1-methyl-2,3,6,7-tetrahydro-1H-
azepin-4-yl)-1H-indole;
1-phenylsulfonyl-5-fluoro-3-(1-methyl-2,5,6,7-tetrahydro-1H-
azepin-4-yl)-1H-indole;
~~1-(benzo[b]thien-4-ylsulfonyl)-3-(1-methyl-pyrrolidin-3-yl)-~~
~~1H-pyrrolo[2,3-b]pyridine;~~
~~1-(3-fluorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-~~
~~indazole;~~
~~1-(2,5-dichlorophenylsulfonyl)-3-(2,5-dihydro-1H-pyrrol-3-yl)-~~
~~1H-pyrrolo[2,3-b]pyridine;~~
~~8-{3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)indole-1-sulfonyl}-~~
~~quinoline;~~
1-phenylsulfonyl-5-chloro-3-(1-methylpiperidin-4-yl)-1H-
indazole;
5-methoxy-3-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)-1-
(naphth-1-yl-sulfonyl)-1H-indazole;
3-(1-methylazepan-4-yl)-1-(naphth-1-yl-sulfonyl)-1H-
pyrrolo[2,3-b]pyridine;
3-(1-methylazepan-4-yl)-1-(naphth-1-yl-sulfonyl)-1H-indole;
1-(benzo[b]thien-4-ylsulfonyl)-5-fluoro-3-(1-methylazepan-4-
yl)-1H-indole;

8-[3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1-(naphth-1-ylsulfonyl)-1H-indole;
8-[3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-pyrrolo[2,3-b]pyridine-1-sulfonyl]-quinoline;
8-[5-fluoro-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
5-fluoro-3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1-(naphth-1-ylsulfonyl)-1H-indole;
~~1-(benzo[b]thien-4-ylsulfonyl)-3-(1-benzyl-pyrrolidin-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~1-(3-fluoro-phenylsulfonyl)-3-(1-phenethyl-pyrrolidin-3-yl)-1H-indazole;~~
~~1-(2,5-dichlorophenylsulfonyl)-3-(1-ethyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1-(naphth-2-ylsulfonyl)-1H-indole;~~
5-chloro-1-(3-fluorophenylsulfonyl)-3-piperidin-4-yl-1H-indazole;
5-methoxy-1-(naphth-1-ylsulfonyl)-3-(1,2,2-trimethyl-1,2,3,6-tetrahydro-pyridin-4-yl)-1H-indazole;
1-(naphth-1-ylsulfonyl)-3-(1-phenethyl-azepan-4-yl)-1H-pyrrolo[2,3-b]pyridine;
3-azepan-4-yl-1-(naphth-1-ylsulfonyl)-1H-indole;
3-azepan-4-yl-1-(3-chloro-5-methyl-benzo[b]thien-2-ylsulfonyl)-5-fluoro-1H-indole;
8-[3-(1-phenethyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
3-[1-(3,3-dimethylbutyl)-2,5,6,7-tetrahydro-1H-azepin-4-yl]-1-(naphth-2-ylsulfonyl)-1H-indole;
1-(2,3-dichlorophenylsulfonyl)-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1H-pyrrolo[2,3-b]pyridine;
1-[(3-chloro-5-methoxyphenylsulfonyl)]-3-(2,2-dimethyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-5-fluoro-1H-indole;
3-azepan-4-yl-5-fluoro-1-(naphth-2-ylsulfonyl)-1H-indole;
1-benzenesulfonyl-3-piperidin-3-yl-1H-indole;
1-(4-isopropyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(5-chloro-thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-indole;
1-(3-chloro-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;

1-(3,4-difluoro-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-trifluoromethoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-methoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(3-chloro-4-methyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2-chloro-4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2-naphthylenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(5-chloro-3-methyl-benzo[b]thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2,6-dichloro-imidazo[2,1-b]thiazole-5-sulfonyl)-3-piperidin-3-yl-1H-indole;
2-chloro-3-(3-piperidin-3-yl-indole-1-sulfonyl)-imidazo[1,2-a]pyridine;
2-chloro-3-(3-piperidin-3-yl-indole-1-sulfonyl)-benzo[d]imidazo[2,1-b]thiazole;
1-(4-isopropyl-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(5-chloro-thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(3-chloro-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(3,4-difluoro-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(4-trifluoromethoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(3-chloro-4-methyl-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(2-chloro-4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(2-naphthylenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
1-(5-chloro-3-methyl-benzo[b]thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
2-chloro-3-(3-piperidin-3-yl-pyrrolo[2,3-b]pyridine-1-sulfonyl)-imidazo[1,2-a]pyridine;

2-chloro-3-(3-piperidin-3-yl-pyrrolo[2,3-b]pyridine-1-sulfonyl)-benzo[d]imidazo[2,1-b]thiazole;
and the pharmaceutically acceptable salts thereof.

10. (Currently Amended) A method for the treatment of a disorder of the central nervous system related to or affected by the 5-HT₆ receptor in a patient in need thereof which comprises providing said patient with a therapeutically effective amount of a compound of formula I



wherein

Q is SO₂, CO, CONR₂₄, CSNR₂₅ or CH₂;

W is N or CR₆;

X is N or CR₇;

Y is NR₈ or CR₉R₁₀;

n is [[0 or]] an integer of 1 or 2;

Z is NR₁₁ or CR₁₂R₁₃ with the proviso that when n is 1, Q is SO₂, CO or CH₂ and W is CR₆ then Z must be CR₁₂R₁₃ and with the further provisos that when Y is NR₈ then Z must be CR₁₂R₁₃ and at least one of Y and Z must be NR₈ or NR₁₁;

R₁, R₂ and R₇ are each independently H, halogen, CN, OCO₂R₁₄, CO₂R₁₅, CONR₂₉R₃₀, CNR₁₆NR₁₇R₁₈, SO_mR₁₉, NR₂₀R₂₁, OR₂₂, COR₂₃ or a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;

R₃, R₄, R₉, R₁₀, R₁₂ and R₁₃ are each independently H or an optionally substituted C₁-C₆alkyl group;

R₅ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group;

m is 0 or an integer of 1 or 2;
R₆ is H, halogen, or an optionally substituted C₁-C₆alkyl, C₁-C₆alkoxy, aryl or heteroaryl group;
R₈ and R₁₁ are each independently H, CNR₂₆NR₂₇R₂₈ or a C₁-C₆alkyl, C₃-C₆cycloalkyl, cycloheteralkyl, aryl or heteroaryl group each optionally substituted;
R₁₄, R₁₅, R₂₂ and R₂₃ are each independently H or an optionally substituted C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group;
R₁₆, R₁₇, R₁₈, R₂₀, R₂₁, R₂₆, R₂₇, R₂₈, R₂₉ and R₃₀ are each independently H or C₁-C₄alkyl;
R₁₉ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group;
R₂₄ and R₂₅ are each independently H or an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group; and
---- represents a single bond or a double bond; or the stereoisomers thereof or the pharmaceutically acceptable salts thereof.

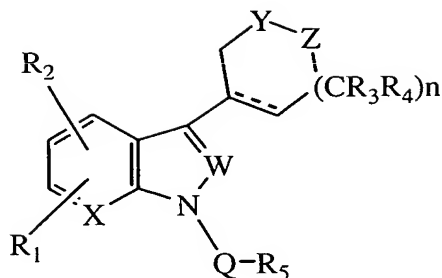
11. (Original) The method according to claim 10 wherein said disorder is a mood disorder, a motor disorder, or a cognitive disorder.

12. (Original) The method according to claim 10 wherein said disorder is schizophrenia.

13. (Original) The method according to claim 11 wherein said disorder is anxiety or depression.

14. (Original) The method according to claim 11 wherein said disorder is memory loss or attention deficit disorder.

15. (Currently Amended) A pharmaceutical composition which comprises a pharmaceutically acceptable carrier and an effective amount of a compound of formula I



(I)

wherein

- Q is SO₂, CO, CONR₂₄, CSNR₂₅ or CH₂;
- W is N or CR₆;
- X is N or CR₇;
- Y is NR₈ or CR₉R₁₀;
- n is [[0 or]] an integer of 1 or 2;
- Z is NR₁₁ or CR₁₂R₁₃ with the proviso that when n is 1, Q is SO₂, CO or CH₂, and W is CR₆ then Z must be CR₁₂R₁₃ and with the further provisos that when Y is NR₈ then Z must be CR₁₂R₁₃ and at least one of Y and Z must be NR₈ or NR₁₁;
- R₁, R₂ and R₇ are each independently H, halogen, CN, OCO₂R₁₄, CO₂R₁₅, CONR₂₉R₃₀, CNR₁₆NR₁₇R₁₈, SO_mR₁₉, NR₂₀R₂₁, OR₂₂, COR₂₃ or a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;
- R₃, R₄, R₉, R₁₀, R₁₂ and R₁₃ are each independently H or an optionally substituted C₁-C₆alkyl group;
- R₅ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group;
- m is 0 or an integer of 1 or 2;
- R₆ is H, halogen, or an optionally substituted C₁-C₆alkyl, C₁-C₆alkoxy, aryl or heteroaryl group;
- R₈ and R₁₁ are each independently H, CNR₂₆NR₂₇R₂₈ or a C₁-C₆alkyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;
- R₁₄, R₁₅, R₂₂ and R₂₃ are each independently H or an optionally substituted C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group;
- R₁₆, R₁₇, R₁₈, R₂₀, R₂₁, R₂₆, R₂₇, R₂₈, R₂₉ and R₃₀ are each independently H or C₁-C₄alkyl;

R_{19} is an optionally substituted C_1 - C_6 alkyl, aryl or heteroaryl group;
 R_{24} and R_{25} are each independently H or an optionally substituted C_1 - C_6 alkyl, aryl or heteroaryl group; and
---- represents a single bond or a double bond; or the stereoisomers thereof or the pharmaceutically acceptable salts thereof.

16. (Original) The composition according to claim 15 having a formula I compound wherein n is 1; Q is SO_2 ; Y is NR_8 ; and X is CR_7 .

17. (Currently Amended) The composition according to claim 15 having a formula I compound wherein $[[n \text{ is } 0;]]$ Q is SO_2 ; X is CR_7 ; and Z is NR_{11} .

18. (Original) The composition according to claim 16 having a formula I compound wherein R_5 is an optionally substituted aryl group and ---- represents a single bond.

19. (Currently Amended) The composition according to claim 15 having a formula I compound selected from the group consisting of:

1-(phenylsulfonyl)-3-(piperidin-4-yl)-1H-indazole;
1-(4-nitrophenyl)-3-(piperidin-4-yl)-1H-indazole;
1-(4-fluorophenyl)-3-(piperidin-4-yl)-1H-indazole;
1-(3,4-dimethoxyphenyl)-3-(piperidin-4-yl)-1H-indazole;
~~1-(4-fluorophenylsulfonyl)-3-(1-methyl-pyrrolidin-3-yl)-1H-indole;~~
~~1-(4-chlorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(naphth-2-ylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-aminophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(3,4-dimethoxyphenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(3,4-dichlorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~

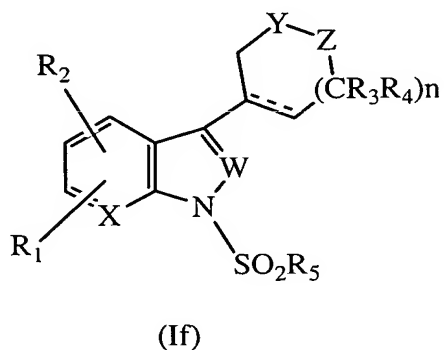
~~1-[(4,5-dichlorothien-2-yl)sulfonyl]-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(2-bromophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-iodophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(2-iodophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indole;~~
~~1-(4-aminophenylsulfonyl)-3-(1-benzylpyrrolidin-3-yl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(4-methylphenylsulfonyl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(3,4-dichlorophenylsulfonyl)-1H-indole;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-(2-bromophenylsulfonyl)-1H-indole;~~
~~5-[3-(1-benzylpyrrolidin-3-yl)-indole-1-sulfonyl]-4-methylthiazol-2-ylamine;~~
~~3-(1-benzylpyrrolidin-3-yl)-1-[(5-bromothien-2-yl)sulfonyl]-1H-indole;~~
~~1-phenylsulfonyl-3-(1-methylpyrrolidin-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~1-phenylsulfonyl-3-(1-methylpyrrolidin-3-yl)-1H-indazole;~~
~~1-phenylsulfonyl-3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~1-phenylsulfonyl-3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-indole;~~
1-phenylsulfonyl-3-(1-methylpiperidin-4-yl)-1H-indazole;
1-phenylsulfonyl-3-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)-1H-indazole;
1-phenylsulfonyl-3-(1-methylazepan-4-yl)-1H-pyrrolo[2,3-b]pyridine;
1-phenylsulfonyl-3-(1-methylazepan-4-yl)-1H-indole;
1-phenylsulfonyl-5-fluoro-3-(1-methylazepan-4-yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1H-indole;
1-phenylsulfonyl-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1H-pyrrolo[2,3-b]pyridine;

1-phenylsulfonyl-5-fluoro-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1H-indole;
1-phenylsulfonyl-5-fluoro-3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1H-indole;
~~1-(benzo[b]thien-4-ylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~1-(3-fluorophenylsulfonyl)-3-(1-methylpyrrolidin-3-yl)-1H-indazole;~~
~~1-(2,5-dichlorophenylsulfonyl)-3-(2,5-dihydro-1H-pyrrol-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~8-[3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)indole-1-sulfonyl]-quinoline;~~
1-phenylsulfonyl-5-chloro-3-(1-methylpiperidin-4-yl)-1H-indazole;
5-methoxy-3-(1-methyl-1,2,3,6-tetrahydropyridin-4-yl)-1-(naphth-1-yl-sulfonyl)-1H-indazole;
3-(1-methylazepan-4-yl)-1-(naphth-1-yl-sulfonyl)-1H-pyrrolo[2,3-b]pyridine;
3-(1-methylazepan-4-yl)-1-(naphth-1-yl-sulfonyl)-1H-indole;
1-(benzo[b]thien-4-ylsulfonyl)-5-fluoro-3-(1-methylazepan-4-yl)-1H-indole;
8-[3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1-(naphth-1-ylsulfonyl)-1H-indole;
8-[3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-pyrrolo[2,3-b]pyridine-1-sulfonyl]-quinoline;
8-[5-fluoro-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
5-fluoro-3-(1-methyl-2,5,6,7-tetrahydro-1H-azepin-4-yl)-1-(naphth-1-ylsulfonyl)-1H-indole;
~~1-(benzo[b]thien-4-ylsulfonyl)-3-(1-benzylpyrrolidin-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~1-(3-fluorophenylsulfonyl)-3-(1-phenethylpyrrolidin-3-yl)-1H-indazole;~~
~~1-(2,5-dichlorophenylsulfonyl)-3-(1-ethyl-2,5-dihydro-1H-pyrrol-3-yl)-1H-pyrrolo[2,3-b]pyridine;~~
~~3-(1-methyl-2,5-dihydro-1H-pyrrol-3-yl)-1-(naphth-2-ylsulfonyl)-1H-indole;~~

5-chloro-1-(3-fluorophenylsulfonyl)-3-piperidin-4-yl-1H-indazole;
5-methoxy-1-(naphth-1-ylsulfonyl)-3-(1,2,2-trimethyl-1,2,3,6-tetrahydro-pyridin-4-yl)-1H-indazole;
1-(naphth-1-ylsulfonyl)-3-(1-phenethyl-azepan-4-yl)-1H-pyrrolo[2,3-b]pyridine;
3-azepan-4-yl-1-(naphth-1-ylsulfonyl)-1H-indole;
3-azepan-4-yl-1-(3-chloro-5-methyl-benzo[b]thien-2-ylsulfonyl)-5-fluoro-1H-indole;
8-[3-(1-phenethyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-indole-1-sulfonyl]-quinoline;
3-[1-(3,3-dimethylbutyl)-2,5,6,7-tetrahydro-1H-azepin-4-yl]-1-(naphth-2-ylsulfonyl)-1H-indole;
1-(2,3-dichlorophenylsulfonyl)-3-(1-methyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1H-pyrrolo[2,3-]pyridine;
1-[(3-chloro-5-methoxyphenylsulfonyl)]-3-(2,2-dimethyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-5-fluoro-1H-indole;
3-azepan-4-yl-5-fluoro-1-(naphth-2-ylsulfonyl)-1H-indole;
1-Benzenesulfonyl-3-piperidin-3-yl-1H-indole;
1-(4-isopropyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(5-chloro-thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-indole;
1-(3-chloro-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(3,4-difluoro-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-trifluoromethoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-methoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(3-chloro-4-methyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2-chloro-4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2-naphthylsulfonyl)-3-piperidin-3-yl-1H-indole;
1-(5-chloro-3-methyl-benzo[b]thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-indole;
1-(2,6-dichloro-imidazo[2,1-b]thiazole-5-sulfonyl)-3-piperidin-3-yl-1H-indole;
2-chloro-3-(3-piperidin-3-yl-indole-1-sulfonyl)-imidazo[1,2-a]pyridine;

2-chloro-3-(3-piperidin-3-yl-indole-1-sulfonyl)-
benzo[d]imidazo[2,1-b]thiazole;
1-(4-isopropyl-benzenesulfonyl)-3-piperidin-3-yl-1H-
pyrrolo[2,3-b]pyridine;
1-(5-chloro-thiophene-2-sulfonyl)-3-piperidin-3-yl-1H-
pyrrolo[2,3-b]pyridine;
1-(3-chloro-benzenesulfonyl)-3-piperidin-3-yl-1H-pyrrolo[2,3-
b]pyridine;
1-(3,4-difluoro -benzenesulfonyl)-3-piperidin-3-yl-1H-
pyrrolo[2,3-b]pyridine;
1-(4-trifluoromethoxy-benzenesulfonyl)-3-piperidin-3-yl-1H-
pyrrolo[2,3-b]pyridine;
1-(3-chloro-4-methyl-benzenesulfonyl)-3-piperidin-3-yl-1H-
pyrrolo[2,3-b]pyridine;
1-(2-chloro-4-trifluoromethyl-benzenesulfonyl)-3-piperidin-3-
yl-1H-pyrrolo[2,3-b]pyridine;
1-(2-naphthylenesulfonyl)-3- piperidin-3-yl-1H-pyrrolo[2,3-
b]pyridine;
1-(5-chloro-3-methyl-benzo[b]thiophene-2-sulfonyl)-3-
piperidin-3-yl-1H-pyrrolo[2,3-b]pyridine;
2-chloro-3-(3-piperidin-3-yl-pyrrolo[2,3-b]pyridine-1-
sulfonyl)-imidazo[1,2-a]pyridine;
2-chloro-3-(3-piperidin-3-yl-pyrrolo[2,3-b]pyridine-1-
sulfonyl)-benzo[d]imidazo[2,1-b]thiazole;
and the pharmaceutically acceptable salts thereof.

20. (Currently Amended) A process for the preparation of a
compound of formula If



wherein

W is N or CR₆;

X is N or CR₇;

Y is NR₈ or CR₉R₁₀;

n is [[0 or]] an integer of 1 or 2;

Z is NR₁₁ or CR₁₂R₁₃, with the proviso that when n is 1 and W is CR₆ then Z must be CR₁₂R₁₃, and with the further provisos that when Y is NR₈ then Z must be CR₁₂R₁₃ and at least one of Y and Z must be NR₈ or NR₁₁;

R₁, R₂ and R₇ are each independently H, halogen, CN, OCO₂R₁₄, CO₂R₁₅, CONR₂₉R₃₀, CONR₂₉R₃₀, CNR₁₆NR₁₇R₁₈, SO_mR₁₉, NR₂₀R₂₁, OR₂₂, COR₂₃ or a C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;

R₃, R₄, R₉, R₁₀, R₁₂ and R₁₃ are each independently H or an optionally substituted C₁-C₆alkyl group;

R₅ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group;

m is 0 or an integer of 1 or 2;

R₆ is H, halogen, or an optionally substituted C₁-C₆alkyl, C₁-C₆alkoxy, aryl or heteroaryl group;

R₈ and R₁₁ are each independently H, CNR₂₆NR₂₇R₂₈ or a C₁-C₆alkyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group each optionally substituted;

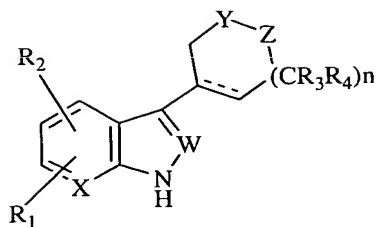
R₁₄, R₁₅, R₂₂ and R₂₃ are each independently H or an optionally substituted C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₃-C₆cycloalkyl, cycloheteroalkyl, aryl or heteroaryl group;

R₁₆, R₁₇, R₁₈, R₂₀, R₂₁, R₂₆, R₂₇, R₂₈, R₂₉ and R₃₀ are each independently H or C₁-C₄alkyl;

R₁₉ is an optionally substituted C₁-C₆alkyl, aryl or heteroaryl group; and

---- represents a single bond or a double bond

which process comprises reacting a compound of formula IVa



(IVa)

wherein W, X, Y, Z, n, R₁, R₂, R₃ and R₄ are as defined above with a sulfonyl chloride, R₅SO₂Cl, wherein R₅ is defined above in the presence of a base.